

APPENDIX B

```
--
-- TablesOracle.sql
--
-- Copyright (C) 2003 Troux Technologies
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-- Description:
--
--          Blueprint database schema for Oracle.
-----
--
-----
-----
-- Table: TrouxServers
-----
-----
create table TrouxServers
(
    serverId number(28) not null,
    name varchar2(256) not null,
    constraint pk_TrouxServers primary key (serverId)
)

--@|*

create sequence TrouxServers_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

-----
-----
-- Table: Query
-----
-----
create table Query
(
    version number(28) default 0 not null,
    queryId number(28) not null,
    name varchar2(256) not null,
    description varchar2(1024) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    finished number(1) not null,
    componentFilter clob not null,
    relationshipFilter clob null,
    logIt number(1) not null,
    uuid varchar2(256) not null,
    constraint pk_Query primary key (queryId)
)

--@|*
```

```
create sequence Query_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*
```

```
create table QueryVersions
(
    version number(28) default 0 not null,
    queryId number(28) not null,
    name varchar2(256) not null,
    description varchar2(1024) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    finished number(1) not null,
    componentFilter clob null,
    relationshipFilter clob null,
    logIt number(1) not null,
    uuid varchar2(256) not null,
    constraint pk_QueryV primary key (queryId, version)
)
--@|*
```

```
-----
-- Table: UserProfile
-----
```

```
create table UserProfile
(
    userProfileId number(28) not null,
    username varchar2(256) not null,
    name varchar2(256) not null,
    lastLoginDate {fn timestamp} null,
    defaultQueryId number(28) null,
    isDeleted number(1) not null,
    constraint pk_UserProfile primary key (userProfileId)
)
--@|*
```

```
create sequence UserProfile_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*
```

```
-----
-- Table: UserProfileToQuery
-----
```

```
create table UserProfileToQuery
(
    userProfileId number(28) not null,
    queryId number(28) not null,
    constraint pk_UserProfileToQuery primary key (userProfileId, queryId)
)
```

```
)
--@|*
-----
-- Table: LogEntryType
-----
create table LogEntryType
(
    logEntryType number(28) not null,
    name varchar2(1024) not null,
    constraint pk_LogEntryType primary key (logEntryType)
)
--@|*
-----
-- Table: Log
-----
create table Log
(
    logId number(28) not null,
    serverId number(28) null,
    userId number(28) null,
    logDate {fn timestamp} not null,
    logEntryType number(28) not null,
    objectId number(28) null,
    newVersion number(28) null,
    constraint pk_Log primary key (logId)
)
--@|*
create sequence Log_seq increment by 1 start with 1 maxvalue 1.0E28 minvalue
1 nocycle cache 20 noorder
--@|*
-----
-- Table: ChangeContext
-----
create table ChangeContext
(
    serverId number(28) null,
    userId number(28) null
)
--@|*
insert into ChangeContext(serverId, userId) values(null, null)
```

--@|*

-- Table: Blueprint


```
create table Blueprint
(
    version number(28) default 1 not null,
    blueprintId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    isScenario number(1) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    constraint pk_Blueprint primary key (blueprintId)
)
```

--@|*

```
create sequence Blueprint_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
```

--@|*

```
create table BlueprintVersions
(
    version number(28) not null,
    blueprintId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    isScenario number(1) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    constraint pk_BlueprintV primary key (blueprintId, version)
)
```

--@|*

-- Table: PropertyCategory


```
create table PropertyCategory
(
    version number(28) default 0 not null,
    propertyCategoryId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    parent number(28) null,
    componentTypeId number(28) null,

```

```
        relationshipTypeId number(28) null,
        posInParent number(10) null,
        logIt number(1) not null,
        autoExpand number(1) not null,
        uuid varchar2(256) not null,
        useInPrefix number(1) default 0 not null,
        constraint pk_PropertyCategory primary key (propertyCategoryId)
    )
--@|*

create sequence PropertyCategory_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
--@|*

create table PropertyCategoryVersions
(
    version number(28) default 0 not null,
    propertyCategoryId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    parent number(28) null,
    componentTypeId number(28) null,
    relationshipTypeId number(28) null,
    posInParent number(10) null,
    logIt number(1) not null,
    autoExpand number(1) not null,
    uuid varchar2(256) not null,
    useInPrefix number(1) default 0 not null,
    constraint pk_PropertyCategoryV primary key (propertyCategoryId, version)
)
--@|*

-----
-----
-- Table: PropertyValue [boston]
-----
-----

create table PropertyValue
(
    version number(28) default 1 not null,
    propertyValueId number(28) not null,
    propertyDefinitionId number(28) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    value varchar2(255) not null,
    valueDate {fn timestamp} null,
    valueNumeric number(28,6) null,
    componentId number(28) null,
    relationshipId number(28) null,
    missing number(1) not null,
    invalid number(1) not null,
```

```
tempId1 varchar2(29) null, -- extra field for temporary use
listValuesChanged number(1) default 0 not null, -- flag field, set to 1
if the list values changed (force version/log entry)
propertyDefinitionVersion number(28) not null,
valueUpper varchar2(255) null,
lastModifyingUser varchar2(256) null,
propertyMetadata varchar2(256) null,
constraint pk_Property primary key (propertyValueId)
)
--@|*

create sequence PropertyValue_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

create table PropertyValueVersions
(
    version number(28) default 1 not null,
    propertyValueId number(28) not null,
    propertyDefinitionId number(28) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    value varchar2(255) not null,
    valueDate {fn timestamp} null,
    valueNumeric number(28,6) null,
    componentId number(28) null,
    relationshipId number(28) null,
    missing number(1) not null,
    invalid number(1) not null,
    tempId1 varchar2(29) null, -- extra field for temporary use
    listValuesChanged number(1) default 0 not null, -- flag field, set to 1
if the list values changed (force version/log entry)
    propertyDefinitionVersion number(28) not null,
    valueUpper varchar2(255) null,
    lastModifyingUser varchar2(256) null,
    propertyMetadata varchar2(256) null,
    constraint pk_PropertyV primary key (propertyValueId, version)
)
--@|*

create table PropertyValueListItemVersions
(
    Id number(28) not null,
    version number(28) default 1 not null,
    propertyValueId number(28) not null,
    listIndex int not null,
    value varchar2(255) not null,
    valueDate {fn timestamp} null,
    valueNumeric number(28,6) null,
    propertyDefinitionVersion number(28) not null,
    valueUpper varchar2(255) null,
    invalid number(1) not null,
```

```
        constraint pk_PropertyVLIV primary key (propertyValueId, listIndex,
version)
)
```

--@|*

```
create sequence PropertyValueLIV_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
```

--@|*

```
create table PropertyValueLinkVersions
(
    Id number(28) not null,
    version number(28) default 1 not null,
    propertyValueId number(28) not null,
    listIndex int default -1 not null,
    valueURL varchar2(255) null,
    valueLinkText varchar2(255) null,
    propertyDefinitionVersion number(28) not null,
    valueURLUpper varchar2(255) null,
    valueLinkTextUpper varchar2(255) null,
    invalid number(1) not null,
    constraint pk_PropertyVLV primary key (propertyValueId, listIndex,
version)
)
```

--@|*

```
create sequence PropertyValueLV_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
```

--@|*

```
create table PropertyValueBigTextVersions
(
    Id number(28) not null,
    version number(28) default 1 not null,
    propertyValueId number(28) not null,
    listIndex int default -1 not null,
    value clob not null,
    propertyDefinitionVersion number(28) not null,
    constraint pk_PropertyVBT primary key (propertyValueId, listIndex,
version)
)
```

--@|*

```
create sequence PropertyValueBTV_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
```

--@|*

-- Table: CategoryTree

create table CategoryTree

(
 descendantId number(28) not null,
 ancestorId number(28) not null,
 depth number(9) not null
)
--@|*

-- Table: Icon

create table Icon

(
 version number(28) default 0 not null,
 iconId number(28) not null,
 imageData blob not null,
 smallImageData blob null,
 creationDate {fn timestamp} not null,
 logIt number(1) not null,
 uuid varchar2(256) not null,
 constraint pk_Icon primary key (iconId)
)
--@|*

create sequence Icon_seq increment by 1 start with 1 maxvalue 1.0E28 minvalue
1 nocycle cache 20 noorder

--@|*

create table IconVersions

(
 version number(28) default 0 not null,
 iconId number(28) not null,
 imageData blob not null,
 smallImageData blob null,
 creationDate {fn timestamp} not null,
 logIt number(1) not null,
 uuid varchar2(256) not null,
 constraint pk_IconV primary key (iconId, version)
)
--@|*

-- Table: ComponentType

create table ComponentType

(


```
version number(28) default 1 not null,
componentTypeId number(28) not null,
name varchar2(50) not null,
uuid varchar2(256) not null,
description varchar2(512) not null,
iconId number(28) not null,
componentLabel varchar2(128) null,
parent number(28) null,
creationDate {fn timestamp} not null,
lastModifiedDate {fn timestamp} not null,
color varchar2(7) not null,
shape varchar2(30) not null,
disabled number(1) not null,
abstract number(1) not null,
createUrl varchar2(256) null,
editURL varchar2(256) null,
deleteURL varchar2(256) null,
nameUpper varchar2(50) not null,
constraint pk_ComponentType primary key (componentTypeId)
)

--@|*

create sequence ComponentType_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

create table ComponentTypeVersions
(
    version number(28) default 1 not null,
    componentTypeId number(28) not null,
    name varchar2(50) not null,
    uuid varchar2(256) not null,
    description varchar2(512) not null,
    iconId number(28) not null,
    componentLabel varchar2(128) null,
    parent number(28) null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    color varchar2(7) not null,
    shape varchar2(30) not null,
    disabled number(1) not null,
    abstract number(1) not null,
    createURL varchar2(256) null,
    editURL varchar2(256) null,
    deleteURL varchar2(256) null,
    nameUpper varchar2(50) not null,
    constraint pk_ComponentTypeV primary key (componentTypeId, version)
)

--@|*
```

-- Table: NumComponentsInType

create table NumComponentsInType
(
 componentTypeId number(28) not null,
 numComponents number(10) not null,
 blueprintId number(28) not null
)
--@|*

-- Table: Component

create table Component
(
 version number(28) default 0 not null,
 componentId number(28) not null,
 name varchar2(256) not null,
 description varchar2(512) not null,
 creationDate {fn timestamp} not null,
 lastModifiedDate {fn timestamp} not null,
 owningBlueprintId number(28) not null,
 tempId1 varchar2(29) null, -- extra field for temporary use
 typeId number(28) not null,
 parent number(28) default -1 not null,
 logIt number(1) not null,
 color varchar2(7) null,
 numSubcomponents number(10) default 0 not null,
 nameUpper varchar2(256) null,
 constraint pk_Component primary key (componentId)
)
--@|*

create sequence Component_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

create table ComponentVersions

(
 version number(28) default 0 not null,
 componentId number(28) not null,
 name varchar2(256) not null,
 description varchar2(512) not null,
 creationDate {fn timestamp} not null,
 lastModifiedDate {fn timestamp} not null,
 owningBlueprintId number(28) not null,
 tempId1 varchar2(29) null, -- extra field for temporary use
 typeId number(28) not null,

```
    parent number(28) default -1 not null,  
    logIt number(1) not null,  
    color varchar2(7) null,  
    numSubcomponents number(10) default 0 not null,  
    nameUpper varchar2(256) null,  
    constraint pk_ComponentV primary key (componentId, version)  
)  
--@|*
```

```
-----  
-- Table: ComponentTree  
-----
```

```
create table ComponentTree  
(  
    descendantId number(28) not null,  
    ancestorId number(28) not null,  
    depth number(9) not null  
)  
--@|*
```

```
-----  
-- Table: ComponentTypeTree  
-----
```

```
create table ComponentTypeTree  
(  
    descendantId number(28) not null,  
    ancestorId number(28) not null,  
    depth number(28) not null  
)  
--@|*
```

```
-----  
-- Table: RelationshipType  
-----
```

```
create table RelationshipType  
(  
    version number(28) default 1 not null,  
    relationshipTypeId number(28) not null,  
    name varchar2(50) not null,  
    description varchar2(512) not null,  
    color varchar2(7) not null,  
    creationDate {fn timestamp} not null,  
    lastModifiedDate {fn timestamp} not null,  
    label1 varchar2(128) not null,  
    label2 varchar2(128) not null,  
    comp1EndType number(9) not null,  
    comp2EndType number(9) not null,  
)
```

```
        comp1DepsOnComp2 number(1) null,  
        comp2DepsOnComp1 number(1) null,  
        parent number(28) null,  
        uuid varchar2(256) not null,  
        disabled number(1) not null,  
        nameUpper varchar2(50) not null,  
        constraint pk_RelationshipType primary key (relationshipTypeId)  
    )  
--@|*  
  
create sequence RelationshipType_seq increment by 1 start with 1 maxvalue  
1.0E28 minvalue 1 nocycle cache 20 noorder  
--@|*
```

```
create table RelationshipTypeVersions  
(  
    version number(28) not null,  
    relationshipTypeId number(28) not null,  
    name varchar2(50) not null,  
    description varchar2(512) not null,  
    color varchar2(7) not null,  
    creationDate {fn timestamp} not null,  
    lastModifiedDate {fn timestamp} not null,  
    label1 varchar2(128) not null,  
    label2 varchar2(128) not null,  
    comp1EndType number(9) not null,  
    comp2EndType number(9) not null,  
    comp1DepsOnComp2 number(1) not null,  
    comp2DepsOnComp1 number(1) not null,  
    parent number(28) null,  
    uuid varchar2(256) not null,  
    disabled number(1) not null,  
    nameUpper varchar2(50) not null,  
    constraint pk_RelationshipTypeV primary key (relationshipTypeId,  
version)  
)  
--@|*
```

```
-----  
-- Table: Relationship  
-----
```

```
create table Relationship  
(  
    version number(28) default 0 not null,  
    relationshipId number(28) not null,  
    description varchar2(512) not null,  
    creationDate {fn timestamp} not null,  
    lastModifiedDate {fn timestamp} not null,  
    owningBlueprintId number(28) not null,  
    firstComponentId number(28) not null,  
    secondComponentId number(28) not null,
```

```
tempId1 varchar2(29) null, -- extra field for temporary use
staleDate {fn timestamp} default '1-JAN-1901' not null,
typeId number(28) not null,
relDiscoveryRuleId number(28) null,
discoveryComponentId number(28) null,
color char(7) null,
constraint pk_Relationship primary key (relationshipId)
)

--@|*

create sequence Relationship_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

create table RelationshipVersions
(
    version number(28) default 0 not null,
    relationshipId number(28) not null,
    description varchar2(512) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    owningBlueprintId number(28) not null,
    firstComponentId number(28) not null,
    secondComponentId number(28) not null,
    tempId1 varchar2(29) null, -- extra field for temporary use
    staleDate {fn timestamp} default '1-JAN-1901' not null,
    typeId number(28) not null,
    relDiscoveryRuleId number(28) null,
    discoveryComponentId number(28) null,
    color char(7) null,
    constraint pk_RelationshipV primary key (relationshipId, version)
)

--@|*

-----
-----
-- Table: ComponentToRelationship
-----
-----

create table ComponentToRelationship
(
    componentId number(28) not null,
    relationshipId number(28) not null,
    dependsOn number(1) not null,
    requiredFor number(1) not null,
    constraint pk_CompToRel primary key (componentId, relationshipId)
)

--@|*
```

-- Table: RelationshipTypeTree

create table RelationshipTypeTree

(
 descendantId number(28) not null,
 ancestorId number(28) not null,
 depth number(28)

)
--@|*

-- Table: TrouxCheck -- "Check" is a reserved word.

create table TrouxCheck

(
 version number(28) default 0 not null,
 checkId number(28) not null,
 name varchar2(256) not null,
 description varchar2(512) not null,
 data clob not null,
 creationDate {fn timestamp} not null,
 lastModifiedDate {fn timestamp} not null,
 componentTypeId number(28) null,
 relationshipTypeId number(28) null,
 scriptLanguage varchar2(80) not null,
 logIt number(1) not null,
 uuid varchar2(256) NOT NULL ,
 constraint pk_TrouxCheck primary key (checkId)

)
--@|*

create sequence TrouxCheck_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

create table TrouxCheckVersions

(
 version number(28) default 0 not null,
 checkId number(28) not null,
 name varchar2(256) not null,
 description varchar2(512) not null,
 data clob not null,
 creationDate {fn timestamp} not null,
 lastModifiedDate {fn timestamp} not null,
 componentTypeId number(28) null,
 relationshipTypeId number(28) null,
 scriptLanguage varchar2(80) not null,

```
        logIt number(1) not null,
        uuid varchar2(256) NOT NULL ,
        constraint pk_TrouxCheckV primary key (checkId, version)
    )
--@|*

-----
-- Table: ProcessRunType
-----
create table ProcessRunType
(
    processRunType number(28) not null,
    name varchar2(1024) not null,
    constraint pk_ProcessRunType primary key (processRunType)
)
--@|*

-----
-- Table: ProcessRun
-----
create table ProcessRun
(
    processRunId number(28) not null,
    blueprintId number(28) not null,
    processRunType number(28) not null,
    runTime {fn timestamp} not null,
    constraint pk_ProcessRun primary key (processRunId)
)
--@|*

create sequence ProcessRun_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

-----
-- Table: TrouxEventType
-----
create table TrouxEventType
(
    eventTypeId number(28) not null,
    name varchar2(256) not null,
    constraint pk_TrouxEventType primary key (eventTypeId)
)
--@|*
```

-- Table: TrouxEvents

create table TrouxEvents
(
 eventId number(28) not null,
 name varchar2(256) not null,
 description varchar2(1024) not null,
 processRunId number(28) not null,
 eventKey varchar2(256),
 eventTypeId number(28) not null,
 status int not null,
 creationDate {fn timestamp} not null,
 lastModifiedDate {fn timestamp} not null,
 constraint pk_TrouxEvents primary key (eventId)
)

--@|*

create sequence TrouxEvents_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

-- Table: ObjectToEvent

create table ObjectToEvent
(
 objectToEventId number(28) not null,
 eventId number(28) not null,
 componentId number(28) null,
 relationshipId number(28) null,
 blueprintId number(28) null,
 status int not null,
 constraint pk_ObjectToEvent primary key(objectToEventId)
)

--@|*

create sequence ObjectToEvent_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

-- Table: EventMsg

create table EventMsg


```
(
    eventMsgId number(28) not null,
    objectToEventId number(28) not null,
    msg varchar2(1024) not null,
    constraint pk_EventMsg primary key(eventMsgId)
)

--@|*

create sequence EventMsg_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

-----
-----
-- Table: ServerCommonSettings
-----
-----
create table ServerCommonSettings
(
    defaultQueryId number(28) null,
    isOffline number(1) default 0 not null
)

--@|*

-----
-----
-- Table: TempData
-----
-----
create table TempData
(
    objectId number(28) not null,
    objectId2 number(28) null,
    serverId number(28) not null,
    serverCounter number(28) not null
)

--@|*

-----
-----
-- Table: ScheduledTask
-----
-----
create table ScheduledTask
(
    taskName varchar2(512) not null,
    lastRunOn {fn timestamp} null
)

--@|*

-----
-----
```

-- Table: TrouxEnumeration

create table TrouxEnumeration

(
 trouxEnumerationId number(28) NOT NULL ,
 name varchar2(50) NOT NULL ,
 description varchar2(512) NULL ,
 uuid varchar2(256) NOT NULL ,
 version number(28) default 1 NOT NULL ,
 creationDate {fn timestamp} NOT NULL ,
 lastModifiedDate {fn timestamp} NOT NULL ,
 constraint pk_TrouxEnumeration primary key (trouxEnumerationId)
)
--@|*

create sequence TrouxEnumeration_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder

--@|*

create table TrouxEnumerationVersions

(
 trouxEnumerationId number(28) NOT NULL ,
 name varchar2(50) NOT NULL ,
 description varchar2(512) NULL ,
 uuid varchar2(256) NOT NULL ,
 version number(28) default 0 NOT NULL ,
 creationDate {fn timestamp} NOT NULL ,
 lastModifiedDate {fn timestamp} NOT NULL ,
 constraint pk_TrouxEnumerationV primary key (trouxEnumerationId,
version)
)
--@|*

-- Table: TrouxEnumerationValue

create table TrouxEnumerationValue (
 trouxEnumerationValueId number(28) NOT NULL ,
 enumerationKey int NOT NULL ,
 enumerationValue varchar2(256) NOT NULL ,
 uuid varchar2(256) not NULL ,
 version number(28) default 1 NOT NULL ,
 creationDate {fn timestamp} NOT NULL ,
 lastModifiedDate {fn timestamp} NOT NULL ,
 trouxEnumerationId number(28) NOT NULL ,
 enumerationValueUpper varchar2(256) NULL ,
 constraint pk_TrouxEnumerationValue primary key
(trouxEnumerationValueId)
)
--@|*

```
create sequence TrouxEnumerationValue_seq increment by 1 start with 1
maxvalue 1.0E28 minvalue 1 nocycle cache 20 noorder
```

```
--@|*
```

```
create table TrouxEnumerationValueVersions (
    trouxEnumerationValueId number(28) NOT NULL ,
    enumerationKey int NOT NULL ,
    enumerationValue varchar2(256) NOT NULL ,
    uuid varchar2(256) not NULL ,
    version number(28) default 1 NOT NULL ,
    creationDate {fn timestamp} NOT NULL ,
    lastModifiedDate {fn timestamp} NOT NULL ,
    trouxEnumerationId number(28) NOT NULL ,
    enumerationValueUpper varchar2(256) NULL ,
    constraint pk_TrouxEnumerationValueV primary key
(trouxEnumerationValueId, version)
)
```

```
--@|*
```

```
-----
-- Table: RelDiscoveryRule
-----
```

```
create table RelDiscoveryRule
(
    version number(28) default 0 not null,
    relDiscoveryRuleId number(28) not null,
    name varchar2(256) not null,
    uuid varchar2(256) not null,
    relationshipTypeId number(28) not null,
    description varchar2(512) not null,
    data clob not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    componentTypeId number(28) null,
    scriptLanguage varchar2(80) not null,
    logIt number(1) not null,
    constraint pk_RDRk primary key (relDiscoveryRuleId)
)
```

```
--@|*
```

```
create sequence RelDiscoveryRule_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
```

```
--@|*
```

```
create table RelDiscoveryRuleVersions
(
    version number(28) default 0 not null,
    relDiscoveryRuleId number(28) not null,
    name varchar2(256) not null,
```

```
        uuid varchar2(256) not null,
        relationshipTypeId number(28) not null,
        description varchar2(512) not null,
        data clob not null,
        creationDate {fn timestamp} not null,
        lastModifiedDate {fn timestamp} not null,
        componentTypeId number(28) null,
        scriptLanguage varchar2(80) not null,
        logIt number(1) not null,
        constraint pk_RDRV primary key (relDiscoveryRuleId, version)
    )
--@|.*

-----
-- Table: PropertyDefinition [Boston]
-----

create table PropertyDefinition
(
    propertyDefinitionId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    uuid varchar2(256) not null,
    dataType int not null,
    isList number(1) not null,
    isRequired number(1) not null,
    componentTypeId number(28) null,
    relationshipTypeId number(28) null,
    propertyCategoryId number(28) not null,
    trouxEnumerationId number(28) null,
    dataPrecision int null,
    defaultValue varchar2(256) null,
    defaultValueNumeric number(22, 6) null,
    defaultValueDate {fn timestamp} null,
    viewInSummary number(1) not null,
    viewInAddEdit number(1) not null,
    viewInQueryParms number(1) not null,
    viewInDiagramExport number(1) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    version number(28) default 1 not null,
    posInParent int default -1 not null,
    daysOfHistory int null,
    startsMissing number(1) not null,
    listValuesChanged number(1) default 0 not null, -- flag field, set to 1
    if the list values changed (force version/log entry)
    constraint pk_PropertyDefinition primary key (propertyDefinitionId)
)
--@|.*
```

```
create sequence PropertyDefinition_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder
```

```
--@|*
```

```
create table PropertyDefinitionVersions
```

```
(
    propertyDefinitionId number(28) not null,
    name varchar2(256) not null,
    description varchar2(512) not null,
    uuid varchar2(256) not null,
    dataType int not null,
    isList number(1) not null,
    isRequired number(1) not null,
    componentTypeId number(28) null,
    relationshipTypeId number(28) null,
    propertyCategoryId number(28) null,
    trouxEnumerationId number(28) null,
    dataPrecision int null, -- precision is reserved
    defaultValue varchar2(256) null,
    defaultValueNumeric number(22, 6) null,
    defaultValueDate {fn timestamp} null,
    viewInSummary number(1) not null,
    viewInAddEdit number(1) not null,
    viewInQueryParms number(1) not null,
    viewInDiagramExport number(1) not null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    version number(28) default 1 not null,
    posInParent int default -1 not null,
    daysOfHistory int null,
    startsMissing number(1) not null,
    listValuesChanged number(1) default 0 not null, -- flag field, set to 1
    if the list values changed (force version/log entry)
    constraint pk_PropertyDefinitionV primary key (propertyDefinitionId,
version)
)
```

```
--@|*
```

```
create table DefaultListValues
```

```
(
    listIndex number(28) not null,
    propertyDefinitionId number(28) not null,
    defaultValue varchar2(256) null,
    defaultValueNumeric number(22, 6) null,
    defaultValueDate {fn timestamp} null,
    constraint pk_DefaultListValues primary key (listIndex,
propertyDefinitionId)
)
```

```
--@|*
```

```
create table DefaultLinkValues
```

```
(
    listIndex number(28) not null,
    propertyDefinitionId number(28) not null,
    defaultURL varchar2(256) null,
    defaultLinkText varchar2(256) null,
    constraint pk_DefaultLinkValues primary key (listIndex,
propertyDefinitionId)
)

--@|*

create table DefaultBigTextValues
(
    listIndex number(28) not null,
    propertyDefinitionId number(28) not null,
    defaultValue clob not null,
    constraint pk_DefaultBigTextValues primary key (listIndex,
propertyDefinitionId)
)

--@|*

-----
-----
-- Table: ConstraintDefinition [Boston]
-----
-----

create table ConstraintDefinition
(
    constraintDefinitionId number(28) not null,
    version number(28) default 1 not null,
    componentTypeId number(28) null,
    relationshipTypeId number(28) null,
    propertyDefinitionId number(28) not null,
    minimumNumber number(22, 6) null,
    maximumNumber number(22, 6) null,
    minimumDate {fn timestamp} null,
    maximumDate {fn timestamp} null,
    creationDate {fn timestamp} not null,
    lastModifiedDate {fn timestamp} not null,
    isEnumerationConstraint number(1) not null,
    constraint pk_ConstraintDefinition primary key (constraintDefinitionId)
)

--@|*

create sequence ConstraintDefinition_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder

--@|*

create table ConstraintDefinitionVersions
(
```

```
        constraintDefinitionId number(28) not null,
        version number(28) not null,
        componentTypeId number(28) null,
        relationshipTypeId number(28) null,
        propertyDefinitionId number(28) not null,
        minimumNumber number(22, 6) null,
        maximumNumber number(22, 6) null,
        minimumDate {fn timestamp} null,
        maximumDate {fn timestamp} null,
        creationDate {fn timestamp} not null,
        lastModifiedDate {fn timestamp} not null,
        isEnumerationConstraint number(1) not null,
        constraint pk_ConstraintDefinitionV primary key
(constraintDefinitionId, version)
)
```

--@|*

-- Table: TrouxEnumerationConstraint [Boston]

```
create table TrouxEnumerationConstraint
(
    constraintDefinitionId number(28) not null,
    trouxEnumerationValueId number(28) not null
)
```

--@|*

-- Table: TrouxPrivilegeScope

```
create table TrouxPrivilegeScope
(
    scopeId number(28) not null,
    name varchar2(256) not null,
    constraint pk_TrouxPScope primary key (scopeId)
)
```

--@|*

-- Table: TrouxPrivilege

```
create table TrouxPrivilege
(
    privilegeId number(28) not null,
    name varchar2(256) not null,
```

```
        description varchar2(512) null,
        scopeId number(28) not null,
        constraint pk_TrouxPrivilege primary key (privilegeId)
    )
--@|*

create sequence TrouxPrivilege_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder

--@|*
-----
-- Table: TrouxRole
-----
create table TrouxRole
(
    roleId number(28) not null,
    uuid varchar2(256) not null,
    name varchar2(256) not null,
    description varchar2(512) null,
    scopeId number(28) not null,
    constraint pk_TrouxRole primary key (roleId)
)
--@|*

create sequence TrouxRole_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*
-----
-- Table: TrouxGroup
-----
create table TrouxGroup
(
    groupId number(28) not null,
    uuid varchar2(256) not null,
    name varchar2(256) not null,
    description varchar2(512) null,
    defaultqueryId number(28) null,
    constraint pk_TrouxGroup primary key (groupId)
)
--@|*

create sequence TrouxGroup_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*
-----
-- Table: TrouxRoleToPrivilege
```



```
-----  
-----  
create table TrouxRoleToPrivilege  
(  
    roleId number(28) not null,  
    privilegeId number(28) not null,  
    constraint pk_RoleToPriv primary key (roleId, privilegeId)  
)
```

--@|*

```
-----  
-- Table: TrouxGroupToSystemRole  
-----
```

```
-----  
create table TrouxGroupToSystemRole  
(  
    groupId number(28) not null,  
    roleId number(28) not null,  
    constraint pk_GroupToSRole primary key (groupId, roleId)  
)
```

--@|*

```
-----  
-- Table: ExtUsers  
-----
```

```
-----  
create table ExtUsers  
(  
    extusersId number(28) not null,  
    name varchar2(256) not null,  
    password varchar2(256) not null,  
    constraint pk_ExtUsers primary key (extusersId)  
)
```

--@|*

```
create sequence ExtUsers_seq increment by 1 start with 1 maxvalue 1.0E28  
minvalue 1 nocycle cache 20 noorder
```

--@|*

```
-----  
-- Table: ExtUser2Group  
-----
```

```
-----  
create table ExtUser2Group  
(  
    extuser2groupId number(28) not null,  
    extuserId number(28) not null,  
    extgroupId number(28) not null,  
    constraint pk_ExtUser2Group primary key (extuser2groupId)
```

```
)
--@|*

create sequence ExtUser2Group_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

-----
-----
-- Table: ExtUser2Group
-----
-----

create table ExtGroup
(
    extgroupId number(28) not null,
    name varchar2(256) not null,
    constraint pk_ExtGroup primary key (extgroupId)
)
--@|*

create sequence ExtGroup_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder
--@|*

create view UsersTomcatView as
select ExtUsers.name, ExtGroup.name GroupName
from ExtUsers, ExtUser2Group, ExtGroup
where ExtUsers.extusersId = ExtUser2Group.extuserId and
      ExtUser2Group.extgroupId = ExtGroup.extgroupId

--@|*

-----
-----
-- Table: TrouxGroupToQuery
-----
-----

CREATE TABLE TrouxGroupToQuery (
    trouxgroupqueryId number(28) NOT NULL ,
    groupId number(28) NOT NULL ,
    queryId number(28) NOT NULL,
    constraint pk_TrouxGroupToQuery primary key (trouxgroupqueryId)
)

--@|*

create sequence TrouxGroupToQuery_seq increment by 1 start with 1 maxvalue
1.0E28 minvalue 1 nocycle cache 20 noorder

--@|*
```

-- Table: ExternalUserToTrouwGroup

CREATE TABLE ExternalUserToTrouwGroup (
 externalUserName varchar2(256) not null,
 groupId number(28) not null
)

--@|*

-- Table: ExternalGroupToTrouwGroup

CREATE TABLE ExternalGroupToTrouwGroup (
 externalGroupName varchar2(256) not null,
 groupId number(28) not null
)

--@|*

-- Table: TrouxAcl

create table TrouxAcl
(
 aclId number(28) not null,
 componentTypeId number(28) null,
 relationshipTypeId number(28) null,
 propertyCategoryId number(28) null,
 propertyDefinitionId number(28) null,
 constraint pk_TrouxAcl primary key(aclId)
)

--@|*

create sequence TrouxAcl_seq increment by 1 start with 1 maxvalue 1.0E28
minvalue 1 nocycle cache 20 noorder

--@|*

-- Table: TrouxAclMembership

create table TrouxAclMembership
(
 aclId number(28) not null,
 groupId number(28) not null,
 roleId number(28) not null
)

```
)
--@|*

-----
-- Table: IconDeletedUUIDs
-----
create table IconDeletedUUIDs
(
    uuid varchar2(256) not null
)
--@|*

-----
-- Table: QueryDeletedUUIDs
-----
create table QueryDeletedUUIDs
(
    uuid varchar2(256) not null
)
--@|*

-----
-- Table: ComponentTypeDeletedUUIDs
-----
create table ComponentTypeDeletedUUIDs
(
    uuid varchar2(256) not null
)
--@|*

-----
-- Table: RelationshipTypeDeletedUUIDs
-----
create table RelationshipTypeDeletedUUIDs
(
    uuid varchar2(256) not null
)
--@|*

-----
-- Table: TrouxRoleDeletedUUIDs
-----
create table TrouxRoleDeletedUUIDs
(
    uuid varchar2(256) not null
)
--@|*
```

-- Table: TrouxGroupDeletedUUIDs

create table TrouxGroupDeletedUUIDs
(
 uuid varchar2(256) not null
)
--@|*

-- Table: TrouxEnumerationDeletedUUIDs

create table TrouxEnumerationDeletedUUIDs
(
 uuid varchar2(256) not null
)
--@|*

-- View: BadPropertiesReport

create view BadPropertiesReport as
select c.owningBlueprintId as blueprintId,
 b.name as blueprintName,
 ct.componentTypeId,
 ct.name as componentTypeName,
 c.name as componentName,
 sum(invalid) as invalid,
 sum(missing) as missing
 from Blueprint b,
 ComponentType ct,
 Component c,
 PropertyValue pv
 where ct.componentTypeId = c.typeId
 and pv.componentId = c.componentId
 and c.owningBlueprintId = b.blueprintId
 group by c.owningBlueprintId,
 b.name,
 ct.componentTypeId,
 ct.name,
 c.name
 having sum(missing) > 0
 or sum(invalid) >
0

--@|*

-- Table: ReportingTableTypeConfig - reporting schema generator config for
types tables

```
-----  
create table ReportingTableTypeConfig  
(  
    reportingTypeId number(28) not null,  
    reportingTypeName varchar2(256) not null,  
    reportingTableAlias varchar2(256) not null,  
    isRelationshipType number(1) not null,  
    rollUpRelationships number(1) not null,  
    constraint pk_ReportingCompTypesConfig primary key  
(reportingTypeId, isRelationshipType)  
)
```

--@|*

-- Table: ReportingPropertiesConfig - reporting schema generator config for
properties on types tables

```
-----  
create table ReportingPropertiesConfig  
(  
    propertyConfigId number(28) not null,  
    componentTypeId number(28) null,  
    relationshipTypeId number(28) null,  
    propertyDefinitionId number(28) not null,  
    propertyAlias varchar2(256) not null,  
    propertyColumnSize number(5) not null,  
    indexOnProperty number(1) not null,  
    constraint pk_ReportingPropertiesConfig primary key (propertyConfigId)  
)
```

--@|*

create sequence ReportingPropertiesConfig_seq increment by 1 start with 1
maxvalue 1.0E28 minvalue 1 nocycle cache 20 noorder

--@|*

-- Table: ReportingDependsExportConfig - reporting schema generator config
for component dependency tables

```
-----  
create table ReportingDependsExportConfig  
(  
    depExportName varchar2(256) not null,
```

```
depExportAlias varchar2(128) null,
depExportComments varchar2(512) null,
depExportType number(2) not null,
componentTypeId number(28) null,
  tqlQueryId number(28) null,
  tqlSql varchar2(2000) null,
  numLevels number(3) not null,
  persistExport number(1) not null,
  direction number(2) not null,
constraint pk_RptDepExportCfg primary key (depExportName)
)

--@|*

-----
-----
-- Table: ReportingJITDependencyTable - reporting schema generator component
dependency table for
--      just in time export
-----
-----
create table ReportingJITDependencyTable
(
  priComponentId number(28) not null,
  priComponentTypeId number(28) not null,
  otherComponentId number(28) null,
  otherComponentTypeId number(28) null,
  depth number(3) not null,
  relationshipId number(28) not null,
  serverId number(28) not null,
  serverCounter number(28) not null
)

--@|*

-----
-----
-- Table: PropertyDefintionOldUUIDs - used in the Import/Export step to allow
the reparenting to be
-- triggered correctly.
-----
-----
create table PropertyDefinitionOldUUIDs
(
  propertyDefinitionId number(28) not null,
  oldTypeUUID varchar2(256) not null,
  oldTypeParentUUID varchar2(256) not null,
  oldUUID varchar2(256) not null
)

--@|*
```

```
-----  
-- Table: PropertyCategoryOldUUIDs - used in the Import/Export step to allow  
the reparenting to be  
-- triggered correctly.  
-----  
-----
```

```
create table PropertyCategoryOldUUIDs  
(  
    propertyCategoryId number(28) not null,  
    oldTypeUUID varchar2(256) not null,  
    oldTypeParentUUID varchar2(256) not null,  
    oldUUID varchar2(256) not null  
)
```

```
--@|*
```

```
-----  
-- Table: PropertyTypeReference - Reference table that defines what property  
-- type codes mean  
-----  
-----
```

```
create table PropertyTypeReference  
(  
    propertyTypeId int not null,  
    description varchar(256) not null,  
    constraint pk_PropertyTypeReference primary key (propertyTypeId)  
)
```

```
--@|*
```